



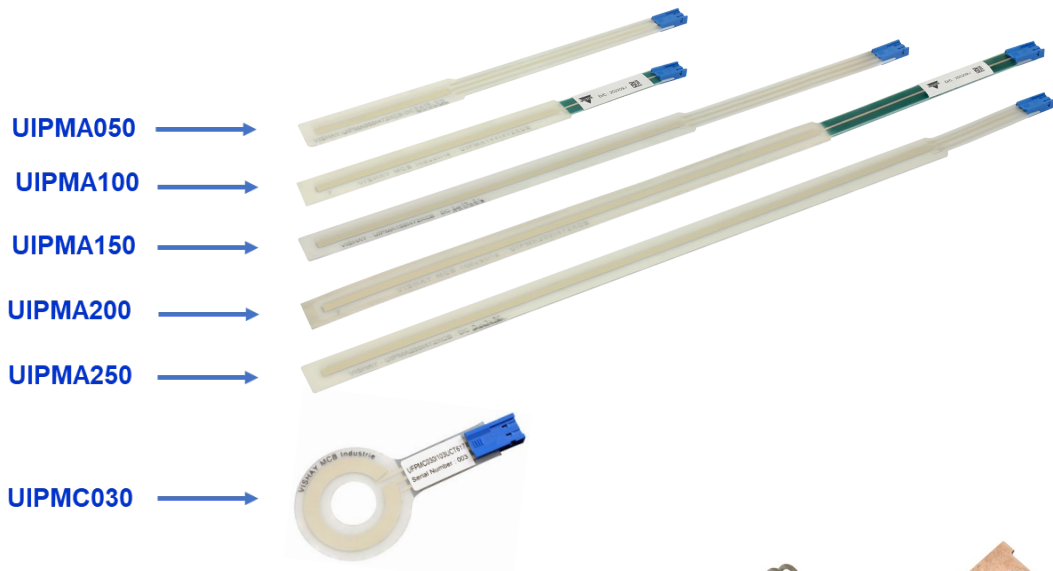
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New Models Complete UIPMA Waterproof Position Sensor Range

A and D Wiper Types Available

Vishay is adding to its UIPMA waterproof position sensor range with new 100 mm and 200 mm devices. With these intermediate length additions, we now have a complete range of devices with lengths from 50 mm to 250 mm. The long-lifetime UIPMA series is ideal for tough working conditions, including environments where dust, liquid, and other types of pollution are present.



All UIPMA devices are available with type A or D wipers.

Standard and Custom Versions Available

All of the standard devices shown above are available off the shelf from our distributors. For customers who will eventually need a customized device, this standard portfolio of available sensors and accessories is the ideal starting point for preliminary tests.

We can provide a very wide range of custom variants, with features such as dedicated useful electrical travel and total electrical travel, flat flex cabling, redundant functions, high endurance life (> 3M cycles), better accuracy, extended temperature ranges, longer lengths, and customer-specified wires, contacts, and connectors.



KEY Advantages

- ✓ **Complete product range** : UIPMA050, UIPMA100, UIPMA150, UIPMA200, UIPMA250
- ✓ **Accessories available** : wipers Type A and Type D
- ✓ **Waterproof**
- ✓ **Ease of assembly**: adhesive layer
- ✓ **Ultra thin**: more compact than typical motion sensors (< 0,5 mm for the active area)
- ✓ **High durability**: > 3M cycles
- ✓ **Custom versions available**

Main Features

- ✓ Water sealed IP66
- ✓ Infinite resolution
- ✓ Linear : UIPMA Type Rotational : UIPMC Type
- ✓ Length for UIPMA: from 50 mm to 250 mm and longer on request
- ✓ External diameter for UIPMC : 30 mm
- ✓ Accuracy : ± 2% / UIPMA and ± 5% / UIPMC over the range of temperature
- ✓ Temperature range: -10 °C to +50 °C
- ✓ Storage temperature: -40 °C to +50 °C
- ✓ Environmental friendly : Lead (Pb)-free, RoHS compliant



Key Applications

- ✓ Medical: syringe pumps, electrical actuators for surgical tables and hospital beds
- ✓ Telecom : antenna actuators
- ✓ Mining : survey of ground movement
- ✓ Aeronautic : electrical actuators for business seats
- ✓ Off-road : steering wheeled position

Useful Links

- | | |
|----------------------|--|
| • UIPMA product page | www.vishay.com/ppg?32537 |
| • UIPMA datasheet | www.vishay.com/doc?32537 |
| • UIPMA user manual | www.vishay.com/doc?32562 |
| • UIPMA video | Vishay - Ultra Flat Potentiometer Demonstration |



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